

# Feasibility Study

## Technical Feasibility:

- 1) Users' and analysts' familiarity with the business area:

The business area is trading and selling/buying within the NYUAD community. Both users and developers have high familiarity with the business area, with almost all users and some of the developers having participated in a trade before.

- 2) Familiarity with technology:

The technicals to be used in the system are:

- Cross-Platform development tool such as Flutter
- Programming languages such as C++, Java, Python, JavaScript
- Database Management System such as MySQL, SQL Server, and Oracle
- Web languages such as HTML and CSS

Most of the team members are familiar with all programming languages and web languages, and some team members are familiar with Flutter and MySQL although they are not experts.

- 3) Project size:

The project will take approximately 4 months to complete with 4 people working on it (estimated via Function Point Estimation).

- 4) Compatibility with existing system:

The existing method is trading items on Facebook groups such as RoR, Female RoR and NYUAD Free & For Sale. There is no existing centralized system, therefore all the existing listings will have to be added manually. Since the trading is very quick and item listings/exchanges are highly time sensitive, most of the previous data on Facebook groups is invalid anymore. Therefore, there is no compatibility risk with the existing method.

- 5) Conclusion:

The risk in this stage is high due to the team's familiarity with the technology to be used and project size given the time constraints.

## Economic Feasibility:

The only anticipated economic cost to the system are domain expenses. Buying a domain would cost around \$9 yearly. This makes the project economically feasible without any risks.